

IN THE CLAIMS:

Please AMEND the claims to have the status and content indicated in the following listing of claims, wherein any cancellation of claims is made *without prejudice*.

1 - 12 (cancelled).

Please ADD new claims 13-17 to read as follows:

13. (new) A method for determining the end-of-charge moment of a battery being charges, comprising the steps of:

- periodically sampling an electrical parameter of the battery, said parameter being selected from the battery voltage and the charging current;
- comparing at each sampling the changed value of said electrical parameter relative to the value taken in the previous period;
- generating an end-of-charge command for terminating the battery charging process when said changed value lies within a predetermined threshold level.

14. (new) The method as claimed in claim 13, wherein said threshold level being less than 1 mV.

15. (new) The method as claimed in claim 13, comprising the additional step of changing the time elapsed between two subsequent sampling moments to conform to the actual battery type and charging method.

16. (new) The method as claimed in claim 13, comprising the additional step of storing said changed values throughout a predetermined number of sampling periods and in said generating step issuing said end-of-charge command if during said predetermined

number of sampling periods the majority of said stored changed values lie below said threshold level.

17. (new) The method as claimed in claim 13, wherein the time elapsed between two subsequent sampling moments being in the range from a fraction of a minute till a few number of minutes.